

## ABSTRACT:

The invention relates to with a method for controlling a multidirectional antenna structure in a primary station for use in a radio communication networks comprising a plurality of secondary stations.

This method comprises the following steps:

an acquisition step of acquiring data relating to secondary stations,

a selection step of selecting, based on acquired data, an active secondary station, alternative secondary stations suitable for becoming active,

a calculation step of calculating the directions of signals received from the selected secondary stations,

a storage step of storing the calculated directions,

a control step of controlling said antenna structure depending on stored directions.

Figure 3

Application: Radio communications, notably third generation portable or mobile telephony.

10  
SUBA51